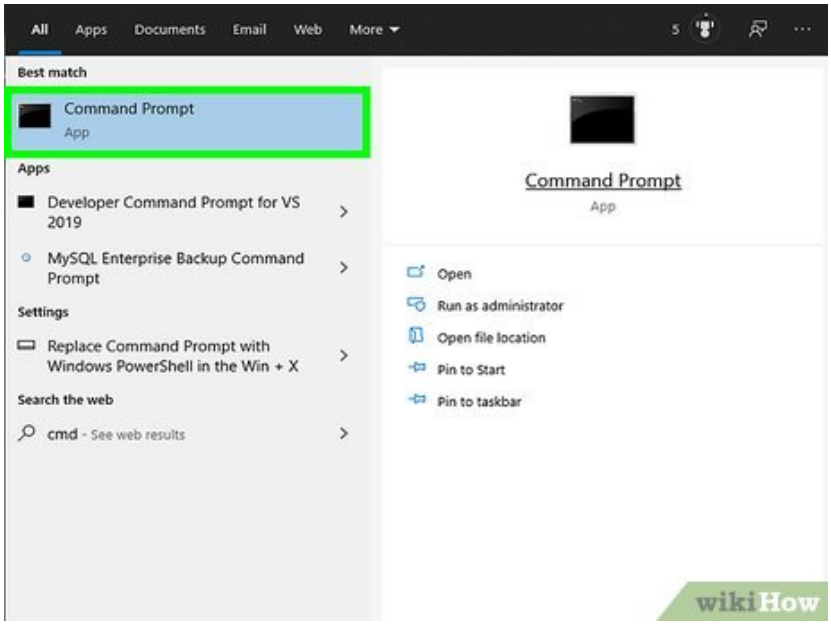
How to Compile a Java Program

This wikiHow teaches you how to turn your Java source code into an executable app using a local and online compiler. If you're using a computer, the most common way to compile Java code is using Java Software Development Kit (Java SDK)...

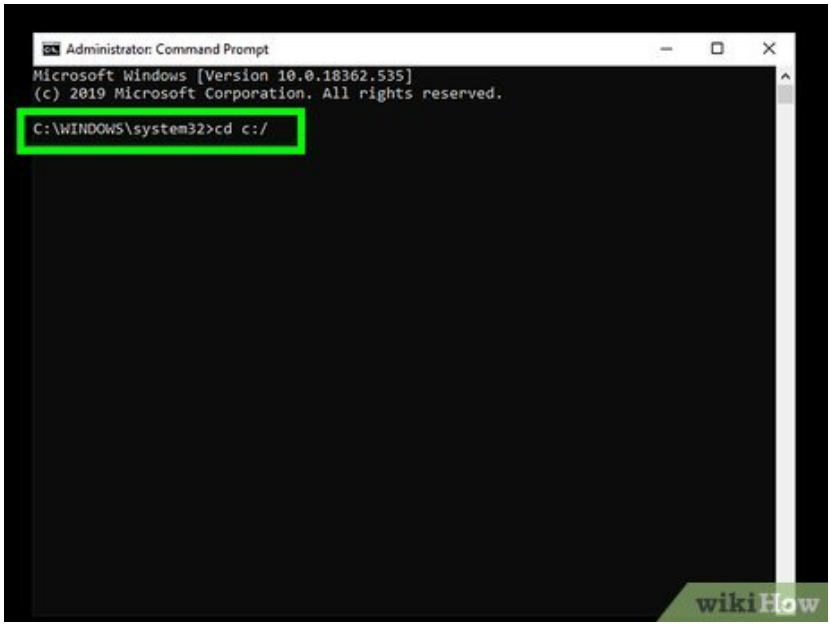
Method 1 of 2:

Using Java Software Development Kit

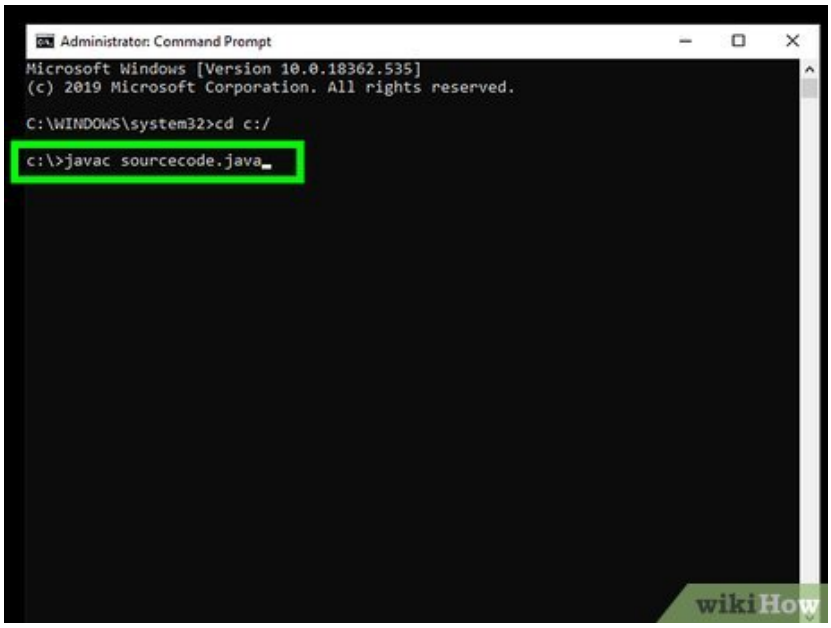
1. 

Open the command prompt. You can use the Java Software Development Kit (Java SDK) from the command prompt on Windows, macOS, or Linux. If you don't have the Java SDK installed, see How to Install the Java Software Development Kit. Here's how to get to the command prompt on each system:

1. Windows: Right-click the Start menu and select **Command Prompt**. If you don't see this option, type `cmd` into the Windows Search bar and click **Command Prompt** in the search results.
2. macOS: Click the magnifying glass at the top-right corner of the screen to open Spotlight, type `terminal`, and then click **Terminal** in the search results.
3. Linux: Press Ctrl + Alt + T.

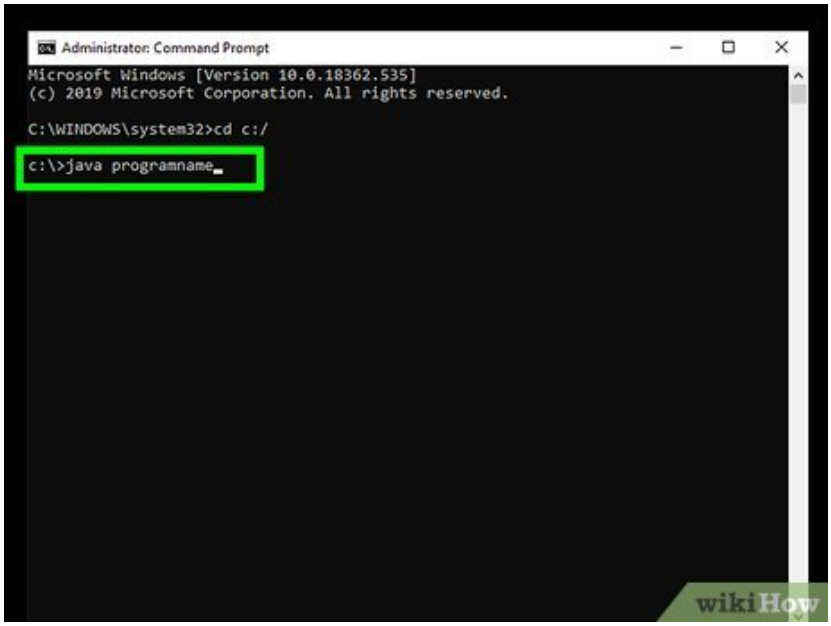
2. 

Use the `cd` command to access the directory with your Java code. The source code is the file that ends with the `.java` file extension.

3. 

Type `javac sourcecode.java` and press ? Enter or ? Return. Replace *sourcecode.java* with the name of your source file.[1] This compiles your source code into an executable file, which ends with the `.class` extension.

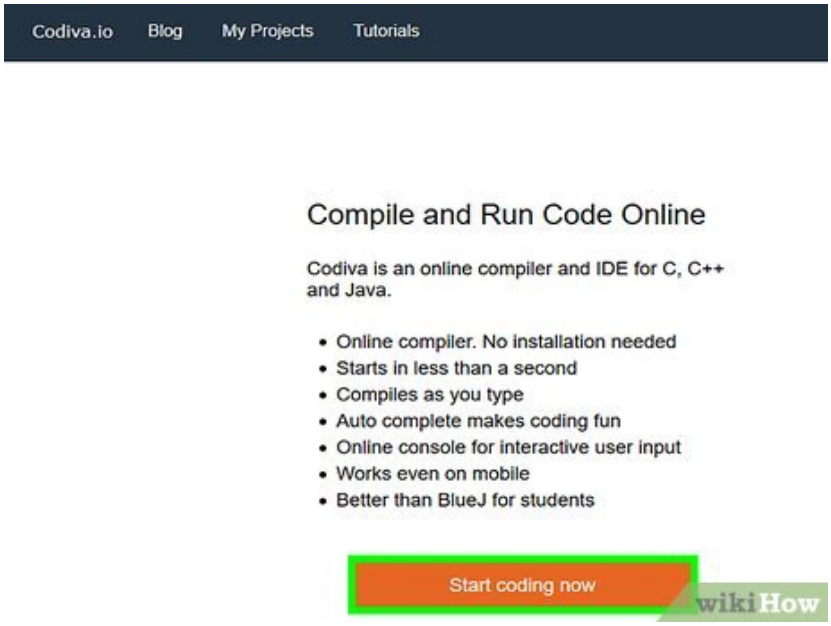
1. To see the name of the new file in the current directory, run the `dir` (Windows) or `ls -a` (Mac/Linux) command.
2. If you see an error when trying to

4. 

Type `java programname` and press ? Enter or ? Return. Replace *programname* with the name of your program. This runs the program at the command line.

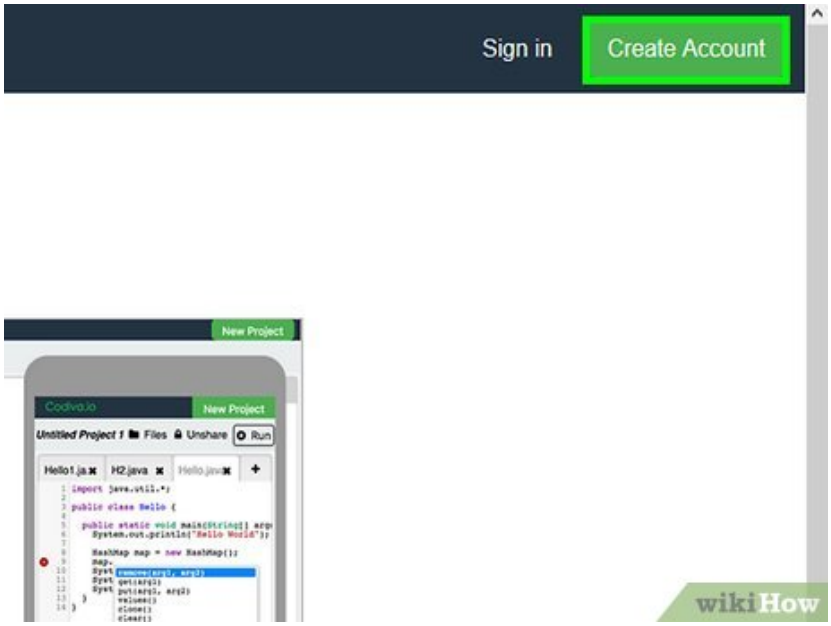
Method 2 of 2:

Using an Online Java Compiler

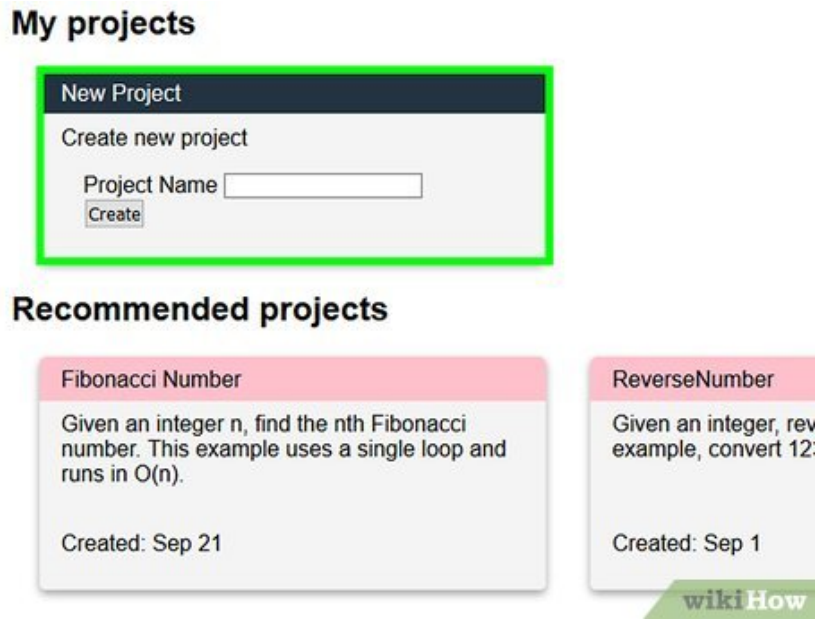
1. 

Navigate to https://www.codiva.io in a web browser. Codiva is an online Java compiler that's great for people who can't install a compiler locally—it can even be used on a phone or tablet.

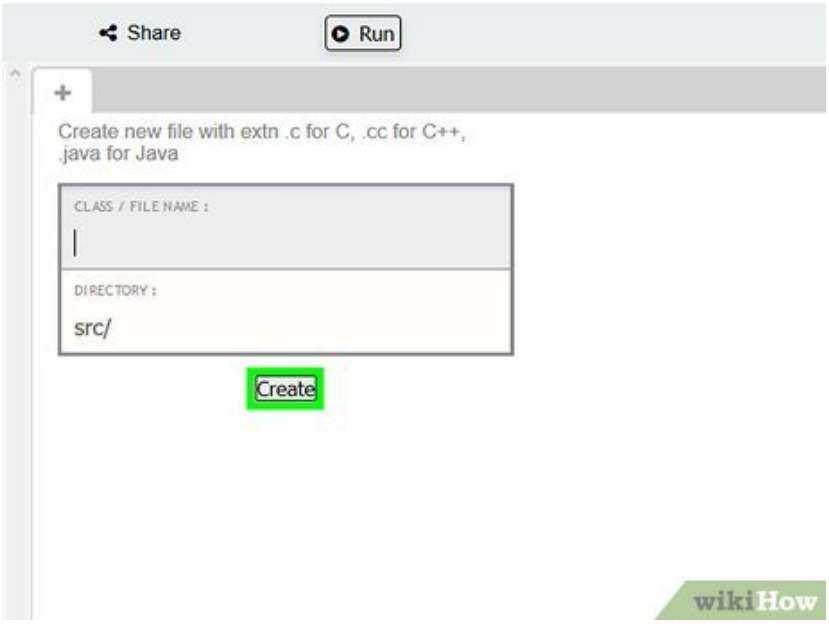
1. There are a variety of online compilers out there if Codiva doesn't work for your needs. Some other popular options are Jdoodle, and OnlineGDB.

2. 

Sign in or create an account. If you're new to Codiva, click **Create Account** at the top-right corner to sign up.

3. 

Enter a project name and click **Create** **.** This creates a new project, which is like a container for your source files.[2]

4. 

Create a Java source file and click **Create**. Java source files must end with the `.java` file extension. The new file will appear in project's tree, which appears in the right panel.

1. For example, if you're creating a Java program called HelloWorld, name the source file `HelloWorld.java`.

5. 

Write or paste your code into the editor. The code will compile in the background as you type. Additionally, it will display any code errors as they occur.

6. 

Click Run to run the program. Since the code compiles automatically, clicking **Run** will just launch your app in its current state.

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